User Manual

GemView™ 16 Tablet Display
TD-LBK156VA-USB-R

SCROLL
PAGES
1 / 2
CANCEL
DONE
Founded in 1995, Topaz Systems provides electronic signature solutions for digital documents, including complete software, tools, intellectual property, robust hardware pads, and lifetime support. Topaz facilitates the "eSign Ecosystem®", bringing together the widest range of integrated technology, intellectual property, distribution, reseller, technical support, service, and ISV 3rd-party application elements in the industry by a wide margin.
Topaz provides electronic signature solutions for wherever business takes you®. Our customers drastically reduce cost and improve service levels and productivity by bringing signed documents into the digital era.
Start Signing--
Clear
OK
Cancel
Best Regards,
EA Smith

Copyright © Topaz Systems Inc. All rights reserved.

*For Topaz Systems, Inc. trademarks and patents, visit **www.topazsystems.com/legal**.*

Table of Contents

Compliancy, Safety, & Copyright Information 3

Introduction 6

Packing List 6

Product Overview 7

Front and Side View 7

Rear View 7

Interactive Electromagnetic Pen 8

Installation 8

Connect Tablet Display to PC 8

Connect Pen to Tablet Display 9

Install DisplayLink Display Driver and Software 9

Configure Tablet Display for Installation 9

Install GemView Tablet Display Driver 10

Configure Tablet Display for Pen Input 11

Install Bundled Topaz Software 13

pDoc Signer 13

pDoc Pro 13

Troubleshooting 13

Screen Problems 13

Product Specification 14

Screen 14

Interactive Electromagnetic Pen 15

Appendix 16

Replace the Pen Tip 16

Compliant Information

This device complies with part 15 of FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning: You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

CE Conformity for European Countries
The device complies with the EMC Directive 2004/108/EC and Low Voltage Directive 2006/95/EC.

Following information is only for EU-member states:

The mark shown to the right is in compliance with the Waste Electrical and Electronic Equipment Directive 2012/19/EU (WEEE). The mark indicates the requirement NOT to dispose the equipment as unsorted municipal waste, but use the return and collection systems according to local law.

If the batteries, accumulators and button cells included with this equipment, display the chemical symbol Hg, Cd, or Pb, then it means that the battery has a heavy metal content of more than 0.0005% Mercury or more than, 0.002% Cadmium, or more than 0.004% Lead.

Important Safety Instructions

1. DO NOT place objects on top of the device, as objects may scratch the screen.
2. DO NOT expose the device to dirty or dusty environments.
3. DO NOT place the device on an uneven or unstable surface.
4. DO NOT insert any foreign objects into the device.
5. DO NOT expose the device to strong magnetic or electrical field.
6. DO NOT expose the device to direct sunlight as it can damage the LCD Screen. Keep it away from heat sources.
7. DO NOT use the device in the rain.
8. Please check with your Local Authority or retailer for proper disposal of electronic products.
9. The device may produce some heat during normal operation or charging. To prevent discomfort or injury from heat exposure, DO NOT leave the device on your lap.
10. POWER INPUT RATING: Refer to the rating label on the device. Only use accessories specified by the manufacturer.
11. DO NOT use any sharp object to tap the screen.
12. Clean the touch screen with a soft cloth. If needed, dampen the cloth slightly before cleaning. Never use abrasives or cleaning solutions.
13. Disconnect the device from an electrical outlet and power off before cleaning the device.
14. DO NOT disassemble the device. Only a certified service technician should perform repair.
15. Users have to use the connection to USB interfaces with USB 2.0 version or higher

Declaration of RoHS2 Compliance

This product has been designed and manufactured in compliance with Directive 2011/65/EU of the European Parliament and the Council on restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS2 Directive) and is deemed to comply with the maximum concentration values issued by the European Technical Adaptation Committee (TAC) as shown below:

Substance	Proposed Maximum Concentration	Actual Concentration
Lead (Pb)	0.1%	< 0.1%
Mercury (Hg)	0.1%	< 0.1%
Cadmium (Cd)	0.01%	< 0.01%
Hexavalent Chromium (Cr^{6+})	0.1%	< 0.1%
Polybrominated biphenyls (PBB)	0.1%	< 0.1%
Polybrominated diphenyl ethers (PBDE)	0.1%	< 0.1%

Certain components of products as stated above are exempted under the Annex III of the RoHS2 Directives as noted below: Examples of exempted components are:

1. Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes not exceeding (per lamp):

   (1) Short length (≦500 mm): maximum 3.5 mg per lamp.

   (2) Medium length (＞500 mm and ≦1,500 mm): maximum 5 mg per lamp.

   (3) Long length (＞1,500 mm): maximum 13 mg per lamp.

2. Lead in glass of cathode ray tubes.
3. Lead in glass of fluorescent tubes not exceeding 0.2% by weight.
4. Lead as an alloying element in aluminium containing up to 0.4% lead by weight.
5. Copper alloy containing up to 4% lead by weight.
6. Lead in high melting temperature type solders (i.e. lead-based alloys containing 85% by weight or more lead).
7. Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.

Copyright Information

Copyright © Topaz Systems, Inc. 2015. All rights reserved.

Disclaimer: Topaz Systems, Inc. shall not be liable for technical or editorial errors or omissions contained herein; nor for incidental or consequential damages resulting from furnishing this material, or the performance or use of this product.

In the interest of continuing product improvement, Topaz Systems, Inc. reserves the right to change product specifications without notice. Information in this document may change without notice.

No part of this document may be copied, reproduced, or transmitted by any means, for any purpose without prior written permission from Topaz Systems, Inc.

Introduction

Packing List

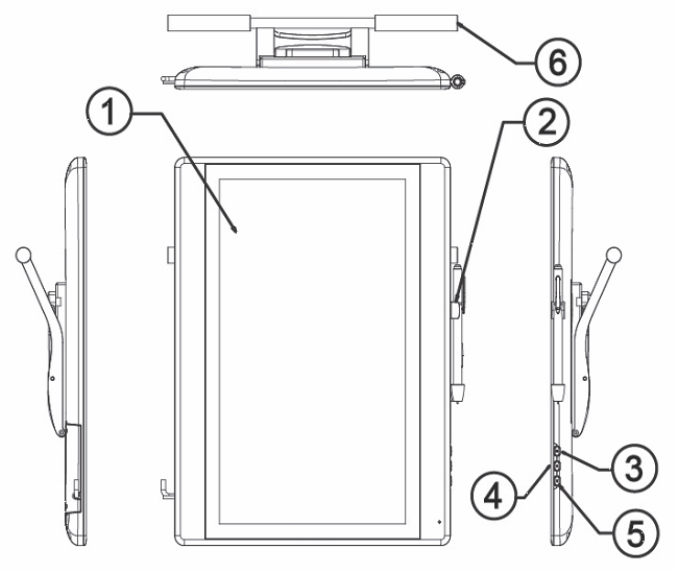
After unpacking, please confirm whether the following contents are included:

- Tablet display
- Tablet display support
- Power adapter
- USB 2.0 Y cable
- Electromagnetic pen
- Pen tether
- 3 pen tips
- Pen tip replacement tool
- Installation instructions

For any part flaws or defects, please consult the original product dealer.

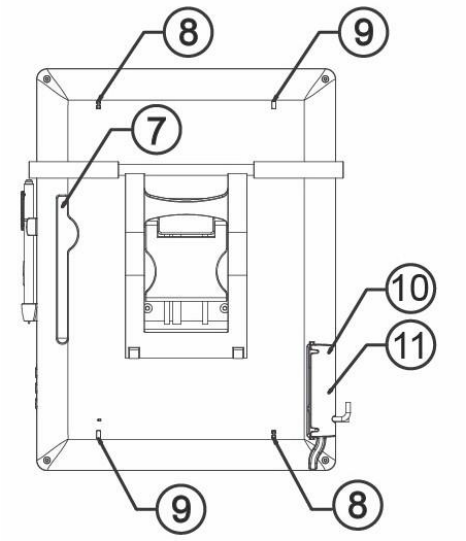
Product Overview

Front and Side View



1. Display & electromagnetic pen touch area
2. Pen holder
3. Power button
4. Brightness adjustment button (increase)
5. Brightness adjustment button (decrease)
6. Ergonomic support (multi-angle kickstand)

Rear View



7. Pen slot
8. Tether hole
9. Lock hole (x2)
10. USB connector
11. Power connector

Note: Please don't open the enclosure; contact service personnel for any problem.

Interactive Electromagnetic Pen

The interactive electromagnetic pen is made with electromagnetic resonance technology and does not require batteries.

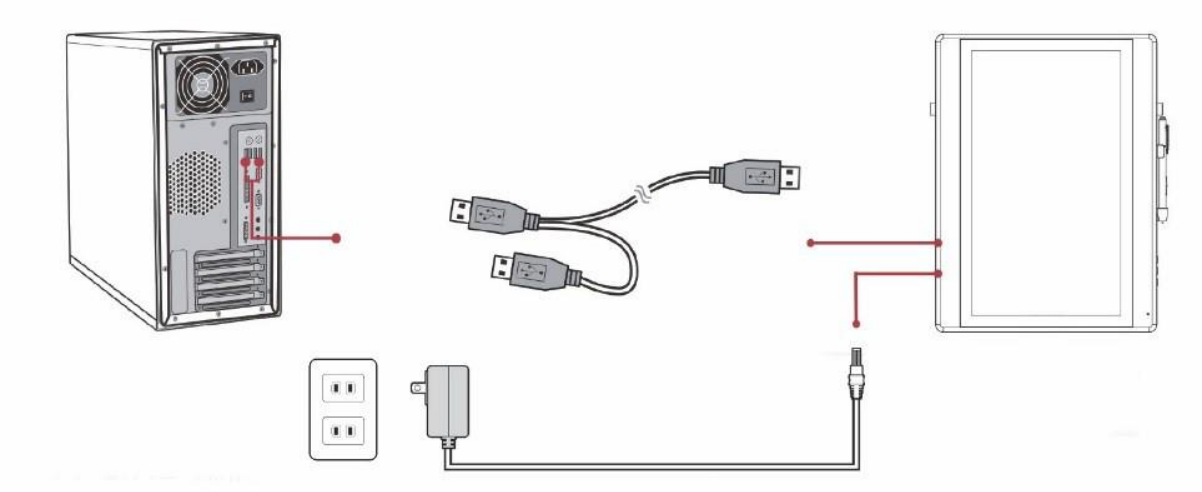
Installation

Connect Tablet Display to PC

To begin, follow the steps listed below to connect your GemView Tablet Display:

1. Connect the tablet display to the PC using the USB cable, as shown below.

2. Connect the tablet display to a power source using the power adapter, as shown below, and push the power button to turn on the tablet display.



Note: Connect both USB connectors at one end of the cable to the PC, to ensure a stable power supply. Due to the manner that Windows enumerates USB devices and the use of internal USB hubs in some PCs, it may be necessary to change the ports into which the USB connectors are inserted.

Connect Pen to Tablet Display

If your pen is not already connected to the tablet display, follow these instructions:

1. Loop one end of the pen tether through the eye at the end of the pen.
2. Loop the other end of the pen tether through the tether hole on either side of the device.

Install DisplayLink Display Driver and Software

Download and run the DisplayLink installer from the Topaz website: **www.topazsystems.com/software/download/displaylink.exe**. This software provides extended display functionality for the tablet display.

Configure Tablet Display for Installation

Use the Display program in the control panel to configure the tablet display for your installation (see screenshot below). You may specify the following characteristics:

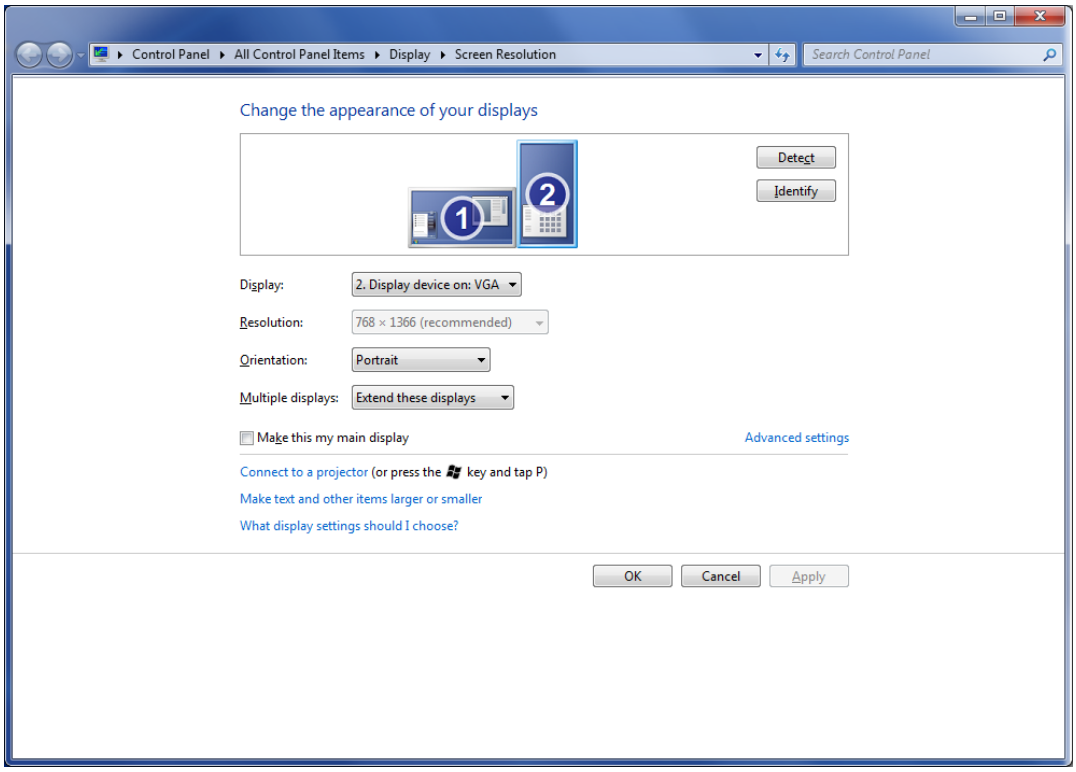
1. **Resolution**
   Use the recommended resolution
2. **Orientation**
   Landscape or portrait
3. **Multiple displays**
   Extend these displays
4. **Alignment**
   Make sure that the bottoms of the monitors are aligned as shown below, and that the tablet display (Display 2) is on the side of the main display you want to use when moving windows from the main display (Display 1).

After configuring the tablet display, you may test it as follows:

1. Click the identify button; the number 1 should appear on the main display and the number 2 should appear on the tablet display.

2. Move your mouse from the main display to the tablet display; it should track properly.

3. Move a window from the main display to the tablet display; it should appear normally and respond to mouse interactions.



Install GemView Tablet Display Driver

Download and run the GemView installer from the Topaz website: **www.topazsystems.com/software/download/gemview.exe**.

You must reboot your PC after the installation completes. This software provides pen input functionality for the tablet display.

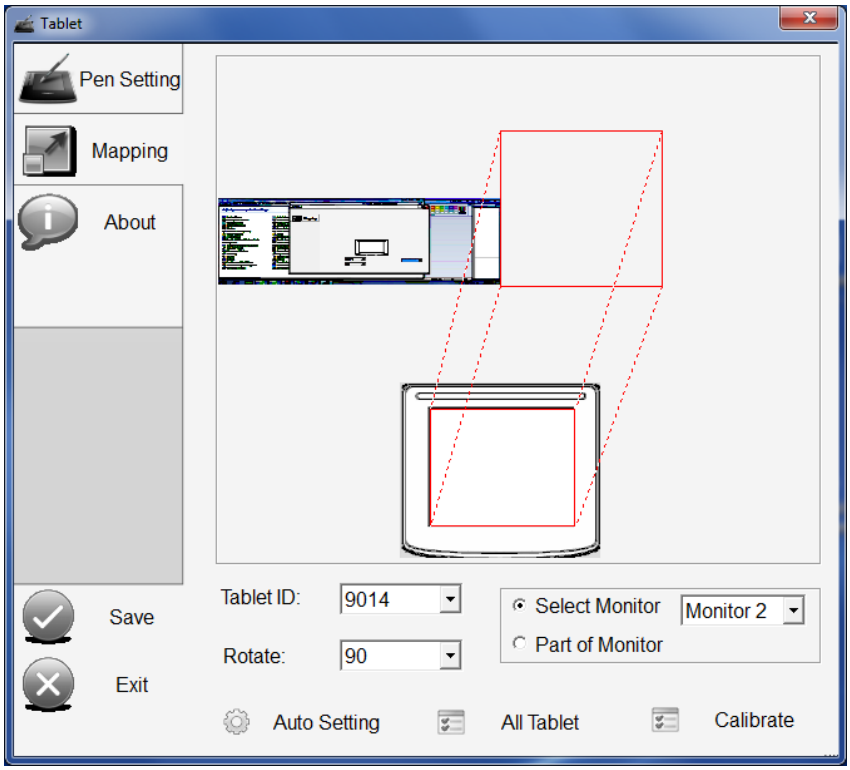
Configure Tablet Display for Pen Input

Follow the instructions below to configure your GemView Tablet Display for pen input:

1. Open the Windows Control Panel and click “Tablet”.

2. In the Tablet window that opens, click on “Mapping” to show the window below.

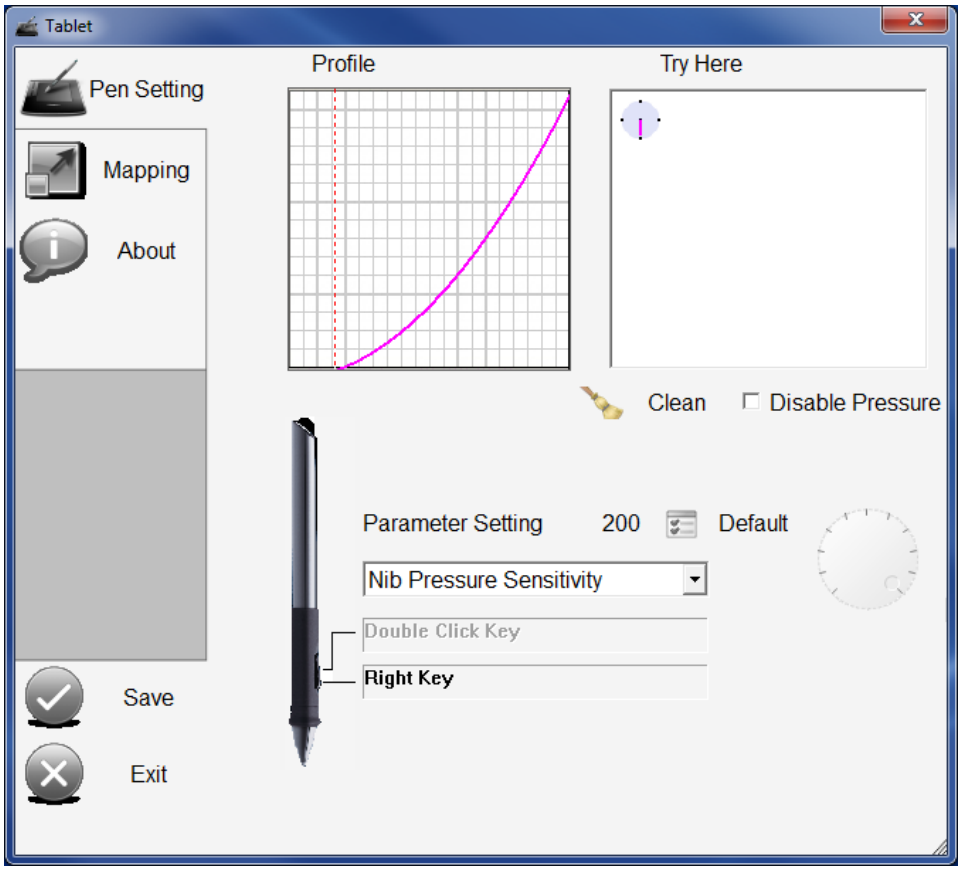
3. Click the “Select Monitor” radio button and select “Monitor 2” in the drop down list. The tablet display should be mapped the same way the display was configured above, as seen in the following screen shot.



4. If you installed the tablet display in portrait orientation, select “90” from the “Rotate” drop down list, and then click on “Calibrate”. The tablet display will show a small target icon in the upper left corner of the display; touch the pen to the tablet display surface in the center of the target icon. Repeat the process when the tablet display shows target icons in the upper right, lower right, and lower left corners.

5. Click on the “Save” button.

6. In the Tablet window, click on “Pen Setting” to show the window below.



7. Drag the Tablet window onto the tablet display and test the pressure sensing capability of the pen by touching the pen to the surface of the tablet display and moving it around in the circle to the right of the pen.

8. Press on the “Save” button.

9. Click on the “Exit” button to complete the setup.

Install Bundled Topaz Software

pDoc Signer

With every Topaz GemView Tablet Display purchase comes a license to use pDoc Signer® for Windows Tablets & Tablet Displays. pDoc Signer is a bundled electronic signature application for the capture, binding, and authentication of handwritten signatures in standard PDF documents and fillable forms. Create these fillable forms by inserting form fields with pDoc Signer's included utility, pDoc Forms Designer. pDoc Signer for Windows Tablets & Tablet Displays is available at: **www.topazsystems.com/pdocsigner.html**.

pDoc Pro

In addition to pDoc Signer, every GemView purchase includes a license to use the pDoc Pro eSign System, providing a means to push PDF documents to a GemView Tablet Display, PC client, and more. pDoc Pro is available at: **www.topazsystems.com/pdocpro.html**.

Troubleshooting

Screen Problems

Problems	Recommended actions
No picture	• Check whether USB cables at computer end and screen end are connected properly. • Try to use another USB interface of the computer. • Confirm whether the computer is under sleep mode. Press the keyboard or move the mouse, and reboot the system. • Press (Screen) power button and confirm whether the screen is starting up. • Try to adjust the brightness. • Confirm whether the computer is starting up. • With a laptop, please confirm whether the outer-link (RGB) output is selected. • Check whether the GemView driver is installed.

Problems	Recommended actions
Screen completely dark	• Adjust the brightness control. • Long-time operation will decrease backlight efficiency and may affect the screen brightness.

Product Specification

Screen

Display	
Model	15.6 inch TFT LCD, LED backlight
Screen Type	8H tempered glass; Anti-scratch, anti-glare, and anti-fingerprint coating
Resolution	1366 x 768
Brightness	220 cd/m^2 (typical) / 200 cd/m^2 (min.)
Angle of Visibility	Horizontal 90°, vertical 130°
Response Time	Tr+Tf: 25ms (typical) / 50ms (max.)

Connector	
USB	USB x1

Power Supply	
Input	AC 100-240V, 50/60HZ
Output	DC 12V/2A
Power Consumption	Start-up 6.5W, sleep < 1.0W

Body	
Equipment Dimension	390mm x 290mm x 22.35mm
Equipment Weight	Net weight (no support): 1.88kg Net weight (With support): 2.39kg Total weight: 3.28 kg

Environment	
Temperature Range	Operation: 0°C ~ +40°C Storage: -20°C ~ +65°C
Relative Humidity	Operation: 20% ~ 80% Storage: 10% ~ 90%

Interactive Electromagnetic Pen

Model	
Technique	Electromagnetic
Action Area	Full screen

Technical Specifications	
Resolution	5080 LPI (lines per inch)
Tracking Velocity	200 PPS (dots per second)
Pressure Sensing	2048 Levels
Accuracy Rating	± 0.5mm (center), ± 2mm (edges and corners)
Readable Height	5mm

Electromagnetic Pen	
Model	Pressure sensing, wireless
Inclination of Detectable Pressure Sensitive Pen	Inclination range: ± 45°
Pen Tip	Replaceable

Note: The specification is subject to change without prior notice.

Appendix

Replace the Pen Tip

If the pen tip is too short or exists the sharp edge, it can be replaced to the back-up tip. Please replace according to the following steps:

1. Pull out the pen tip from electromagnetic pen straightly with tool.
2. Insert new pen tip into the handwriting pen and then push in the pen tip until the tip does not move.